

Workshop Report

EIT ICT Labs workshop Mediating Presence on TIME

TU Delft 17- 20 June

/Charlie Gullström 120629



Rapid prototyping around the Mediated Sketching-table, aka Shared Negotiation Spaces

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See also:

Appendix 1: June Prototyping.pdf
Appendix 2: March Prototyping.pdf
Appendix 3: MP Workshop report March.pdf

Project testbed: <http://www.being-here.net/page/4802/en>

Collaborative note-taking from workshop:

<https://docs.google.com/document/d/11zdUFhm615QiohYThBp-FLNqOijBSGkkNFghbkI9Y9Q/edit>

1. Summary and action-points

This was a very successful workshop. Our team was inspired by the invited guest speakers, many of whom contributed comments of direct value to our current prototyping. As an example, Robin Shaerverbeke, architect and lecturer in drawing techniques at Sint Lucas School of Architecture, Ghent volunteered to teach a student in Stockholm in real-time, using our prototype of the Mediated Sketching-table – augmented, for the occasion, by web RTC functionalities recently developed by the group. Our prototype between KTH-Delft however did not function adequately on the day, primarily because we had not purchased similar equipment in the two locations. We learned that failure is part of prototyping and design, and then decided to set up the proposed workspace and spatial layout of the Mediated Sketching Table, between TU Delft Pi-Lab and EIT Presence Lab at KTH, as a continuous workspace for the work group in August and onwards.

Further, we discussed the two FP7's lined up for 2013, realizing that the health-oriented Augmented Hospital-Home application deadline is mid-January and work needs to start swiftly.

I want to thank my co-organizer Tjerk de Greef for hosting the event in such a brilliant way. We ate well and we had access to excellent work facilities. Our tuning-in session in the Vermeer Centre was particularly inspiring. We also thank Ruud van Zijl, Project manager MultiMedia Services TU Delft / Library/MultiMedia Services & Collegerama and his colleagues for an exciting session using Chromakey possibilities. Thirdly, we thank Jesper Olson, KTH Master Student for helping us with video documentation (see links further down).

Action-points:

- Friday 10 August, 10GMT, is our first work group meeting after the summer break. Hans Janmaat, TU Delft Masters student who has carried out an internship at EIT Presence Lab at KTH in the spring, will then present his work creating a webRTC interface for the Mediated Sketching Table, which otherwise also incorporates horizontal analogue drawing surfaces, interactive surfaces and also objects whose actions can be monitored remotely; besides the possibility to see a remote party with decent eye-contact. Thus, we will work together this autumn and develop our prototypes as we go. Three parties should be able to work together, following the ideas and actions of the 'three Pirates' of the Pocket Negotiator narrative. As before, a regular work group meeting takes place Fridays 9 GMT, in Google Hangout until further notice.
- The TU Delft department of Industrial Design, through Professor Huib de Ridder, is an interested third party, which also contributes with expertise in e.g. light, sound and industrial design towards Augmented Hospital-Home relationship FP7. A proposal to create a third Presence Lab Space in the ID Living Room will be made at a meeting 120626 (See Appendix 1: June Prototyping).
- Purchasing of necessary equipment cameras, projectors and screens will now be carried out and installed before end of August, so that a well-functioning set-up is in place, linking three locations: at TU Delft and KTH.
- Robin Shaerverbeke will be invited to repeat his remote drawing class early autumn. Will also be invited to KTH, when suitable.
- Work to advance FP7 on Augmented Hospital-Home relationship needs to start swiftly. One A4 with a description of the idea and consortium needs to be ready by end of August, to bounce with appointed EU coordinators. A meeting introducing NKOC Hanneke de Ridder, ID Prof Huib de Ridder to Kristina Groth KTH/Karolinska takes place 120626. A trip to Stockholm will be scheduled end of August/beginning of September. All interested are invited to propose partners and focus areas to Harold Nefs/Tjerk de Greef/Charlie Gullström, currently taking the lead.
- Also work to advance FP7 Mediated courtroom must start, deadline likely April 2013. Monday 17 September, before MP Workshop 3, on Relation, in Stockholm 18-20

<p>September, will be dedicated to this theme; (while Wednesday 19 September will be dedicated to Hospital). Same group as above currently gather ideas, partners and focus areas. A Stockholm meeting with Swedish Ministry of Justice user group and visits to existing courtrooms will be organised in August.</p>
<p>- Several countries offer 7500-10000€ funding to write EU-applications. All are encouraged to seek such funding possibilities.</p>
<p>- Hans Janmaat who ends his successful 3-month Master student internship at EIT Presence Lab, KTH R1 in June, will be invited to carry out additional work relating to webRTC presence components, in collaboration with Peter Parnes, to be presented at a creative user applications workshop for at EIT Presence Lab in Stockholm 16-17 October, organised by Peter, Charlie and Leif as part of Charlie Gullström's task towards Multimodal Activity 2012.</p>
<p>- A collaborative paper to ISPR Presence conference will be submitted by the group involved in prototyping for the Mediated Sketching Table, aka Shared Negotiation Spaces.</p>
<p>- Our next workshop, on RELATION, will take place in Stockholm 18-20 September at the EIT Presence Lab, KTH Main Campus, including sessions in the EIT Colocation Center on KTH Kista campus. The evening of 17 September and the full day 18 September are 'open workshop days' with invited guest speakers. 18 September includes an Innovation radar workshop - creative think tank and future fore sighting, with Magnus Boman. On 19-20 September, prototyping continues within a smaller group, following the needs of the Mediating Presence work group. The workshop is also devoted to assembling a consortium for EU FP7 applications beginning 2013. One relates to the topic of an Augmented Hospital-Home Relationship (meetings preliminary set to 19 September); one to The Mediated Courtroom Horizon 2020 (meeting preliminary set to 17 September). It was discussed earlier that the workshop can include a boat trip to Helsinki, to share experiences with the EIT Smart Spaces project and its installations at the Helsinki Colocation Centre, HIIT, Aalto and a visit to the Multitouch company. This Helsinki visit needs to take place on another date (co-organized with Marko Turpeinen, Konrad Tollmar, Kai Kuikkaniemi). Follow further development of the schedule here: http://www.being-here.net/page/5778/en</p>
<p>- There exists an EIT Masters programme if we know of students at TU Delft/KTH who are interested in exchange. Places still available if we are quick. The Delft programme is called Digital Media Technology. For more information, contact markus.flierl@ee.kth.se.</p>

2. Background and organisation

This was our second workshop in 2012 and we based the format and agenda on our experiences from the first workshop, successfully organised in the EIT Presence Lab at KTH R1 in March. We therefore planned this workshop in two parts: 17-18 June were open workshop days which 23 participants attended, while the 19-20 June were devoted to prototyping within a smaller group of ten researchers, relating to the Presence Demonstrators which will be developed within the activity during 2012.

The evening of the 17th June served as a tuning-in and get-to-know-everyone session so that Monday 18th can be devoted to theoretical and practical work on the theme of TIME, e.g. timing, intentionality and synchronization in relation to ongoing prototyping. Invited guest speakers, designers and performers contributed to this topic and helped us explore innovative connections to our research.

We used collaborative note-taking on:

<https://docs.google.com/document/d/11zdUFhm615QiohYThBp-fLNqOijBSGkkNFghbkI9Y9Q/edit>

In preparation for the workshop, participants were invited to reflect on the results from the first workshop on PLACE and our prototyping since this first workshop (see also Appendix 1: June Prototyping; Appendix 2: March Prototyping; Appendix 3: MP Workshop report March):

Snapshots from our prototyping at the first Mediating Presence workshop - on PLACE (14-16 March 2012), are available following the links below (and via the Beinghere testbed: <http://www.being-here.net/page/5453/en>). Please note that this is all work-in-progress, there is still a long way to go before we have created the Shared Negotiation Spaces we aim for in 2012! Our aim at the first workshop was to share experiences relating to presence design. Within our interdisciplinary work group, were able to collaboratively reflect on what we experienced. At the upcoming second workshop we will refine a prototype that we have been working on lately.

Mediated Sketching Table:

<http://youtu.be/5A8NZBx6roA>

The above can be compared to a similar prototype set up by our colleagues at TU Delft two weeks later:

http://ii.tudelft.nl/event_photos/VIDEO0013.3gp

Crossroads Hangout 1-2:

<http://youtu.be/IHIVaXDv1Xs>

http://youtu.be/T0a84nJE_ec

A panorama shot of Crossroads Hangout 3 (the 3-party shared mediated space) is made available here by Peter Parnes:

<http://photosynth.net/view.aspx?cid=1810965d-5f0e-4ce5-be19-a0b2e8ea8b21>

Mindblowing glass-blowing at Konstfack:

http://www.youtube.com/watch?v=Irj0of_WOUE&feature=plcp

Participants were asked to prepare in the following way:

- Take part of documentation on the project testbed: <http://www.being-here.net/page/4802/en> where e.g. photos from our recent prototyping sessions were uploaded, including footage from recent prototyping.
- Upload reflections on the Shared Workspaces: <http://www.being-here.net/page/5790/en>.
- Bring a laptop if you can: we use collaborative note-taking as a working method (google docs as well as the BeingHere testbed) and especially the session Monday 13.00 is dedicated to shared discussions with parallel note-taking.
- Prepare for Sunday night's speed sharing: 2-3 minute presentation on what you personally want to achieve by the workshop, and what you can share in terms of design and/or research experiences relating to TIME. If you like, bring one slide (memory stick), or an artifact to illustrate.
- Wear no striped, bocked or green clothing on Tuesday (for Chromakey reasons)

3. Workshop programme

Agenda and information regarding the EIT ICT Labs workshop Mediating Presence on TIME TU Delft 17- 20 June

UPDATED AGENDA

Sunday 17th of June – open workshop, all welcome

15.00-16.30 Participants are expected in Delft (see further down: maps and meeting-points)
 16.30 Meet at the hotel for Tuning-in Walk in ancient Delft and the Vermeer Centre
 17.30 Drinks@Vermeer Center
 18:00 People can walk through the Vermeer Center
 18:45 Overview mediating presence technologies by Peter Parnes;
 Introduction mediated presence prototypes by Robbert Smit (CEO YoooM.com)
 Speed-sharing (in such a way that participants may share previous experiences from research and design work on TIME, as a means of introduction and to establish shared references)
 19.45 Dinner at Miles Food and Drinks (<http://www.milesfoodanddrinks.nl/>)
 When the weather permits we will sit outside; the football match can be followed for those in the bar

Monday 18th of June – open workshop day, all welcome

09.00 Welcome and practical information (venue TU Delft Library)
 Introduction by Charlie, Tjerk, and Caroline
 09.15 Short inspirational talks on TIME
 -Robin Shaerverbeke, Phd Candidate in architecture Sint Lucas School of Architecture, Ghent
Topic: Sketching
 -Stephan Lukosch *Topic: CSI-The Hague*
 -Tjerk de Greef (<http://mmi.tudelft.nl/~tjerk/>) Delft University of Technology *Topic: Observability and the relation between mediating presence and crisis management*
 10.15 Discussion
 11.00 Short walk to prototyping Lab. Brief progress reports of our Presence Demonstrators, walk-around to five parallel stations:
 • Shared Negotiating Space (aka Mediated Sketching Table) (Hans, Tjerk, Leif/Charlie)
 • Crossroads/Corridor Hangout (Leif/Charlie)
 • Presence Bubbles (Kai Kukkanemi)
 • Saving Face Stockholm (Karen Lancel)
 • CSI-The Hague (Stephan Lukosch)
 Discussions, wishlists and expectations
 12.00 Lunch at the TU Delft canteen
 13.00 Experimental discussion session on TIME, reflections based on our guest contributions and prototypes. Parallel note-taking in real-time: Google Docs; BeingHere testbed; Whiteboard in the room
 15.00 Visit start-up Presence Display/YoooM.com on campus
 16:00 Visit remote brainstorm prototype at Thales
 17:00 Brainstorming about prototypes (given what we have seen)
 18:00 Brainstorming session on BeingHere testbed: proposals re coauthored papers
 18.30 Walk towards old city of Delft
 19.30 Dinner at Restaurant de Kromme (<http://restaurantdekromme.nl/>)

Tuesday 19th of June – core work group - Pi-Lab at EEMCS faculty

09:00 Prototyping planning and preparations
 09.30 Discussion regarding funding proposals and related EIT information
 09.00 Prototyping
 Sketching Table - Shared Negotiation Spaces - Hangout corridor
 12.00 Lunch meeting at the EEMCS building (Norbert Rozenburgzaal at Industrial Design)
INSPIRATIONAL TALK ABOUT MEDIATED HOSPITAL by Hanneke Ridder, KNOC
 14.00 Performing Shakespeare using Chromakey
 15.00 Prototyping all afternoon/evening combined with dinner
 Hangout
 Tangible Devices (Peter Parnes)
 What technology can do to mediate presence: a YouTube Harvest (Harold Nefs)
 22:00 Cool down drinks in old city of Delft

Wednesday 20th of June – core work group

08:00 Breakfast meeting business opportunities & intellectual Property Rights
 09.00 Continued prototyping
 11.00 Summing up
 -Collaborative paper contribution for ISPR 2012
 -Next steps in view of FP7
 12.00 Lunch and departures
 Shared reflection time in the afternoon, for those who fly in the evening
 -Reflection on How our collaboration proceeds, discussion led by Jesper Olson (Master thesis project on the MP distributed work group)
 -Reflection on Master internship Hasn Janmaat (from TU Delft to KTH EIT Presence Lab April-June)

4. List of Participants

Participants Sunday-Monday:

LTU

Peter Parnes

Kåre Synnes

KTH

Charlie Gullström

Leif Handberg

Jesper Olson

Hans Janmaat

Leif Dahlberg

EIT

Lynda Hardman - Monday

Aalto

Kai Kuikkaniemi Sunday-Monday-

Sint-Lukas, Ghent

Robin Schaefferbeke

TU Delft

Tjerk de Greef - confirmed

Harold Nefs - confirmed

Catholijn Jonker

Caroline Nevejan - Monday

Karen Lancel

Huib de Ridder - Tuesday lunch – Confirmed

Stephan Lukosch (Monday)

Dragos Datcu (Monday)

Ingrid Heyerinx, Philips/TU Delft (Tuesday Lunch)

KNOC

Hanneke de Ridder – Tuesday lunch

TNO

Joke Kort - confirmed Sunday till Tuesday

Yoom.com

Robbert Smit - CEO Yoom (Sunday, Monday)

LancelMaat designers

Hermen Maat (and Karen Lancel)

List of participants Tuesday-Wednesday:

Core work group:

Tjerk de Greef

Leif Handberg
 Kåre Synnes
 Peter Parnes
 Harold Nefs
 Charlie Gullström
 Catholijn Jonker

With contributions also from:

Robin Schaefferbeke
 Joke Kort
 Leif Dahlberg
 Jesper Olson
 Hans Jaanmat

5. Documentation & Snapshots from discussions and prototyping

Our sessions were video-taped and available via dropbox, see below. Some will later be uploaded to the testbed via youtube.

Videos Workshop Delft	Jun 27, 2012 4:02 PM	--
Demonstrating prototypes	Jun 27, 2012 4:01 PM	--
Hans presents the prototype.MPG	Jun 18, 2012 11:41 AM	22.6 MB
Leif and Robin dra...and discussion.MPG	Jun 18, 2012 11:53 AM	237.4 MB
Leif and Robin drawing.MPG	Jun 18, 2012 11:43 AM	62.2 MB
Robbert, Lynda, Ka...p + discussion.MPG	Jun 18, 2012 12:16 PM	229 MB
Discussions after Harold's youtube harvest	Jun 27, 2012 4:08 PM	--
Discussions after H...tube harvest 1.MPG	Jun 19, 2012 6:02 PM	150.4 MB
Discussions after H...tube harvest 2.MPG	Jun 19, 2012 6:05 PM	59.6 MB
Drawing Delft - Stockholm	Jun 26, 2012 2:47 PM	--
Discussion on the drawing.MPG	Jun 19, 2012 4:30 PM	209.4 MB
Robin and Joakim drawing.MPG	Jun 19, 2012 4:04 PM	334.7 MB
Robin and Joakim reflect.MPG	Jun 19, 2012 4:31 PM	23.3 MB
Experimental discussion session on TIME	Jun 27, 2012 4:07 PM	--
Experimental discu...onstrates toys.MPG	Jun 18, 2012 2:44 PM	68 MB
Experimental discu...ssion on TIME.MPG	Jun 18, 2012 2:41 PM	2.12 GB
Peter Hans and Karen discuss webRTC	Jun 27, 2012 4:01 PM	--
Peter Hans and Kar...uss webRTC 1.MPG	Jun 19, 2012 7:52 PM	46.8 MB
Peter Hans and Kar...uss webRTC 2.MPG	Jun 19, 2012 8:00 PM	60 MB
Peter Hans and Kar...uss webRTC 3.MPG	Jun 19, 2012 8:04 PM	80.1 MB
Presentations	Jun 26, 2012 5:13 PM	--
Caroline Nevejan in...n being-here.MPG	Jun 18, 2012 9:44 AM	305.5 MB
Discussions after p...nday morning.MPG	Jun 18, 2012 11:16 AM	386.3 MB
Joke Kort.MPG	Jun 18, 2012 10:59 AM	618.9 MB
Peter Parnes introduction.html5.m4v	Jun 26, 2012 4:06 PM	297 MB
Robbert Smit introduction.m4v	Jun 26, 2012 5:08 PM	238.5 MB
Robin Schaefferbeke.MPG	Jun 18, 2012 10:06 AM	496.7 MB
Stephan Lukosch.MPG	Jun 25, 2012 5:05 PM	630.9 MB
Tjerk de Greef.MPG	Jun 18, 2012 3:11 PM	508 MB
Visit Thales	Jun 26, 2012 2:45 PM	--
Visit at Thales.MPG	Jun 18, 2012 5:01 PM	35.7 MB
Visit at Thales2.MPG	Jun 18, 2012 5:05 PM	90.4 MB
Visit Yoom	Jun 27, 2012 4:06 PM	--
Caroline, Kai, Leif a...ng the Yoom.MPG	Jun 18, 2012 4:22 PM	125.6 MB
Charlie and Robin...ith the yoom 2.MPG	Jun 18, 2012 4:30 PM	46.7 MB
Charlie and Robin...with the yoom.MPG	Jun 18, 2012 4:28 PM	18.2 MB
Charlie and Robin...ith the yoom3.MPG	Jun 18, 2012 4:32 PM	13.7 MB
Peter and Leif trying the Yoom.MPG	Jun 18, 2012 4:23 PM	38.5 MB

Available video snapshots



We had an exciting Chromakey workshop, and found ourselves reciting Shakespeare. Films are available here:

<http://collegerama.tudelft.nl/mediasite/Viewer/?peid=b4228458e8074b478b21e6ea271914461d>

<http://collegerama.tudelft.nl/mediasite/Viewer/?peid=f05fdcea053341a2a5258978772d62c61d>

*Most fruitful, perhaps, was the initiative taken by Peter **after** the workshop (as seen in photo), introducing chromakey to web RTC...*



Guided by Tjerk, we started off with a nice tuning-in walk around Delft



And a tuning-in session at the Vermeer Centre



Peter Parnes gave us the abc of webRTC (please note the snow)



Short inspirational talks on TIME

-Robin Shaererbeke, Phd Candidate in architecture Sint Lucas School of Architecture, Ghent

Topic: Sketching "Extended drawing" Design-based techniques



-Stephan Lukosch and Dragos Datcu (<http://www.tudelft.nl/~sglukosch>) Topic: CSI-The Hague

"Mediated reality for crime scene investigation" - technology push



Joke Kort, TNO: TA2 (Together anywhere, Together anytime) FP7

Here's an overview of all TA2 videos (or TA2 related videos) on youtube: <http://www.youtube.com/user/TA2Project?feature=watch>



Brief progress reports of our Presence Demonstrators, walk-around to five parallel stations:

Shared Negotiating Space (aka Mediated Sketching Table) (Hans, Tjerk, Leif/Charlie)

Crossroads/Corridor Hangout (Charlie – Appendix 3, March Prototyping)

Presence Bubbles (Kai Kukkanemi)

Saving Face Stockholm (Karen Lancel)

CSI-The Hague (Stephan Lukosch)



Experimental discussion session on TIME, reflections based on our guest contributions and prototypes. Parallel note-taking in real-time: 1. ON CENTREDNESS 2. ON SCALEABILITY



Visit start-up Presence Display/ YooM.com on campus



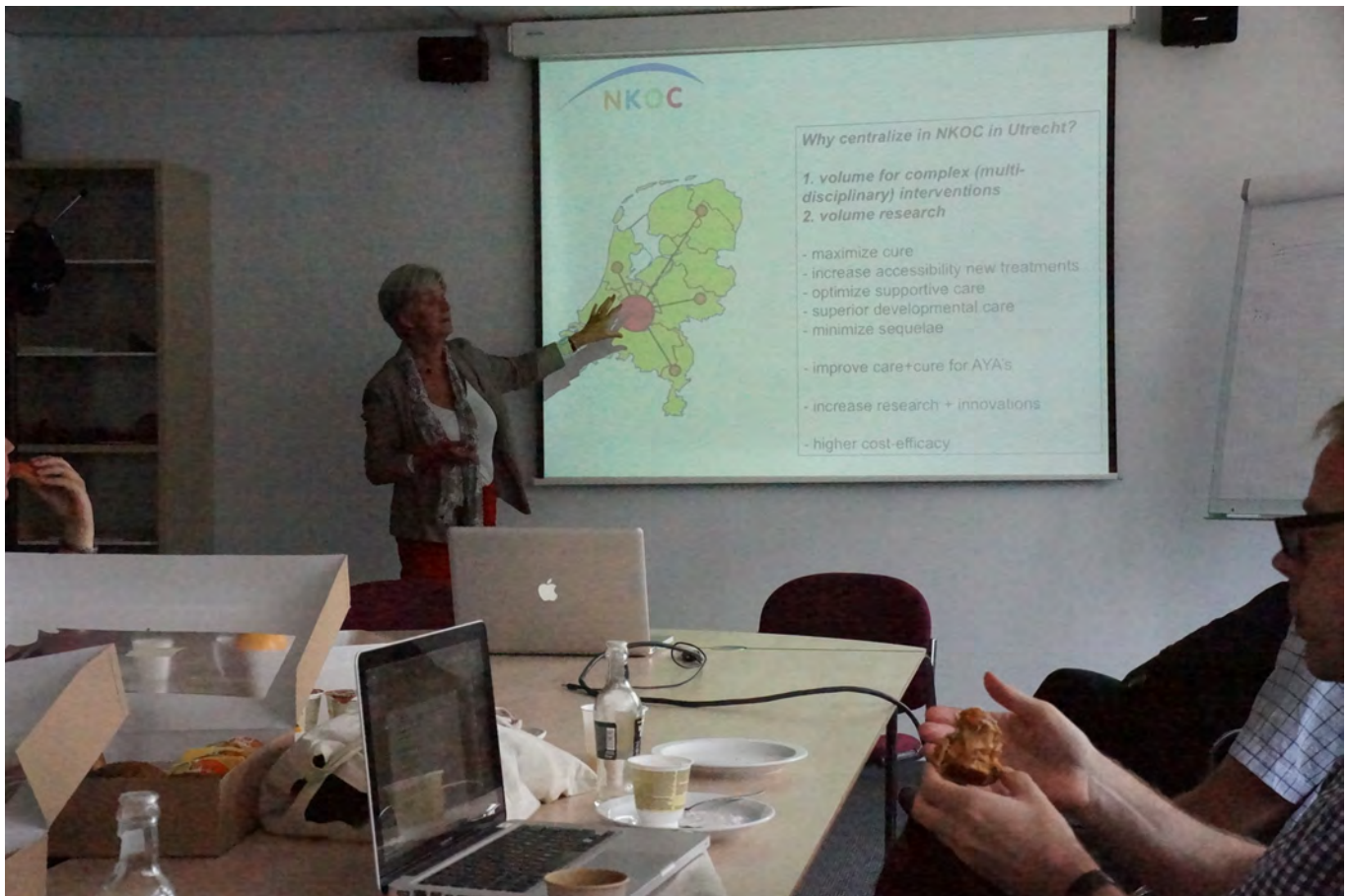
Visit remote brainstorm prototype at Thales



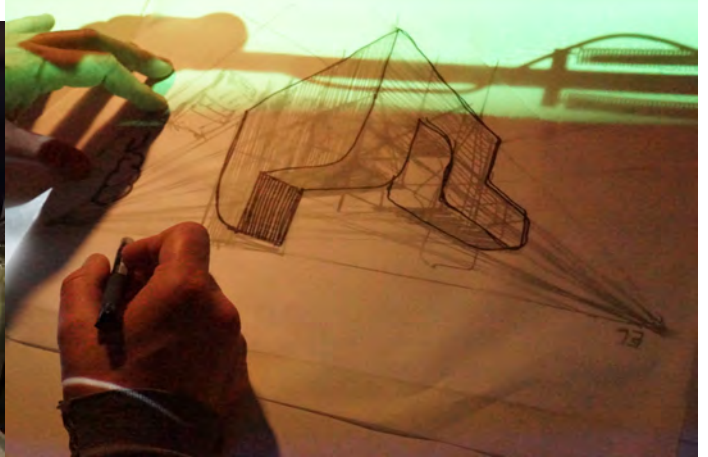
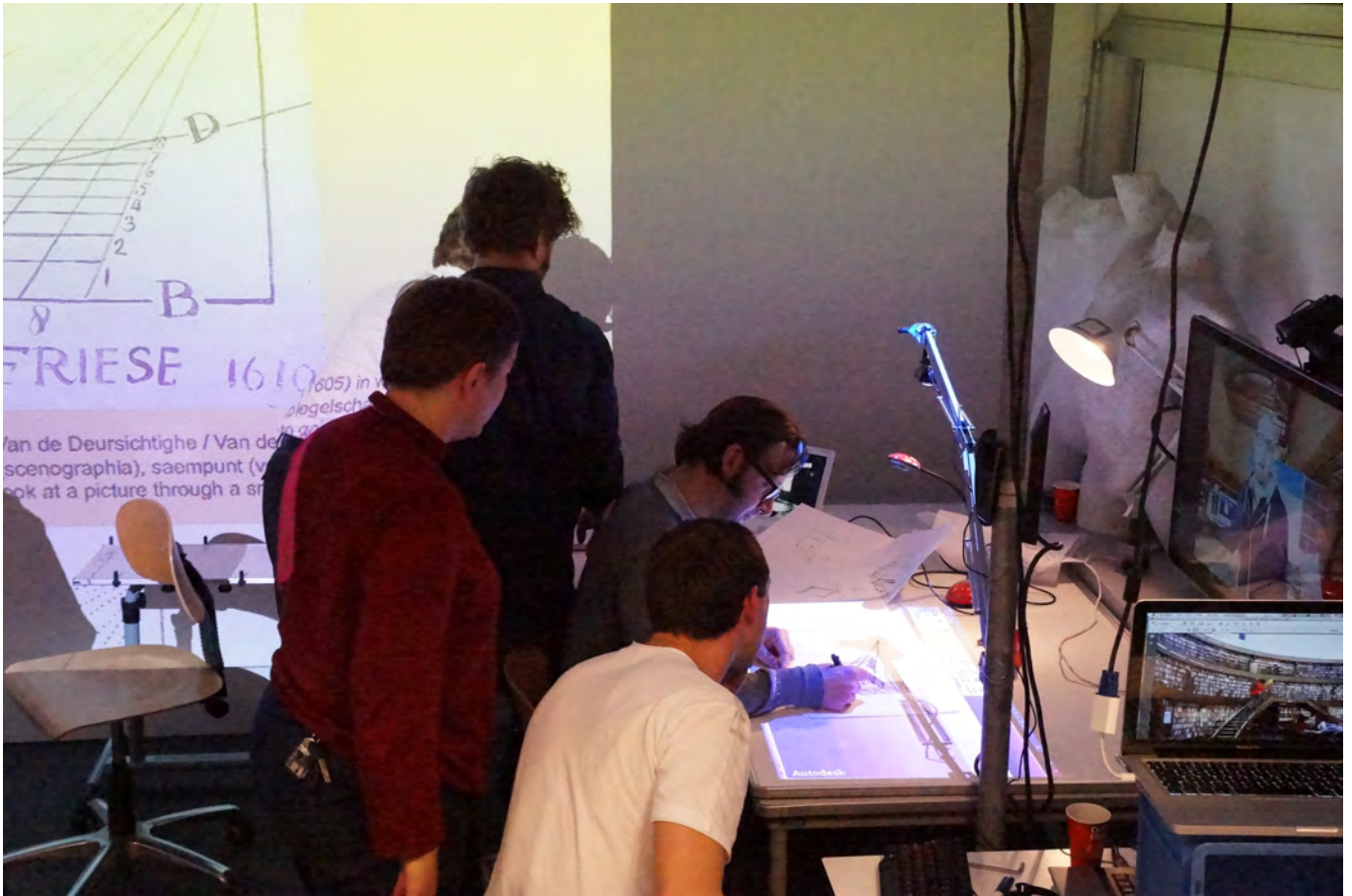
18.30 Walk towards old city of Delft



Lunch at the EEMCS building (Norbert Rozenburgzaal at Industrial Design) with professor Huib de Ridder. Introduction to Sound Design and Lighting Options for Mediated Presence by Rene van Egmont en Sylvia Pont



Background to NKOC Children's hospital, by Hanneke Ridder



Robin teaching Joakim how to draw perspective.



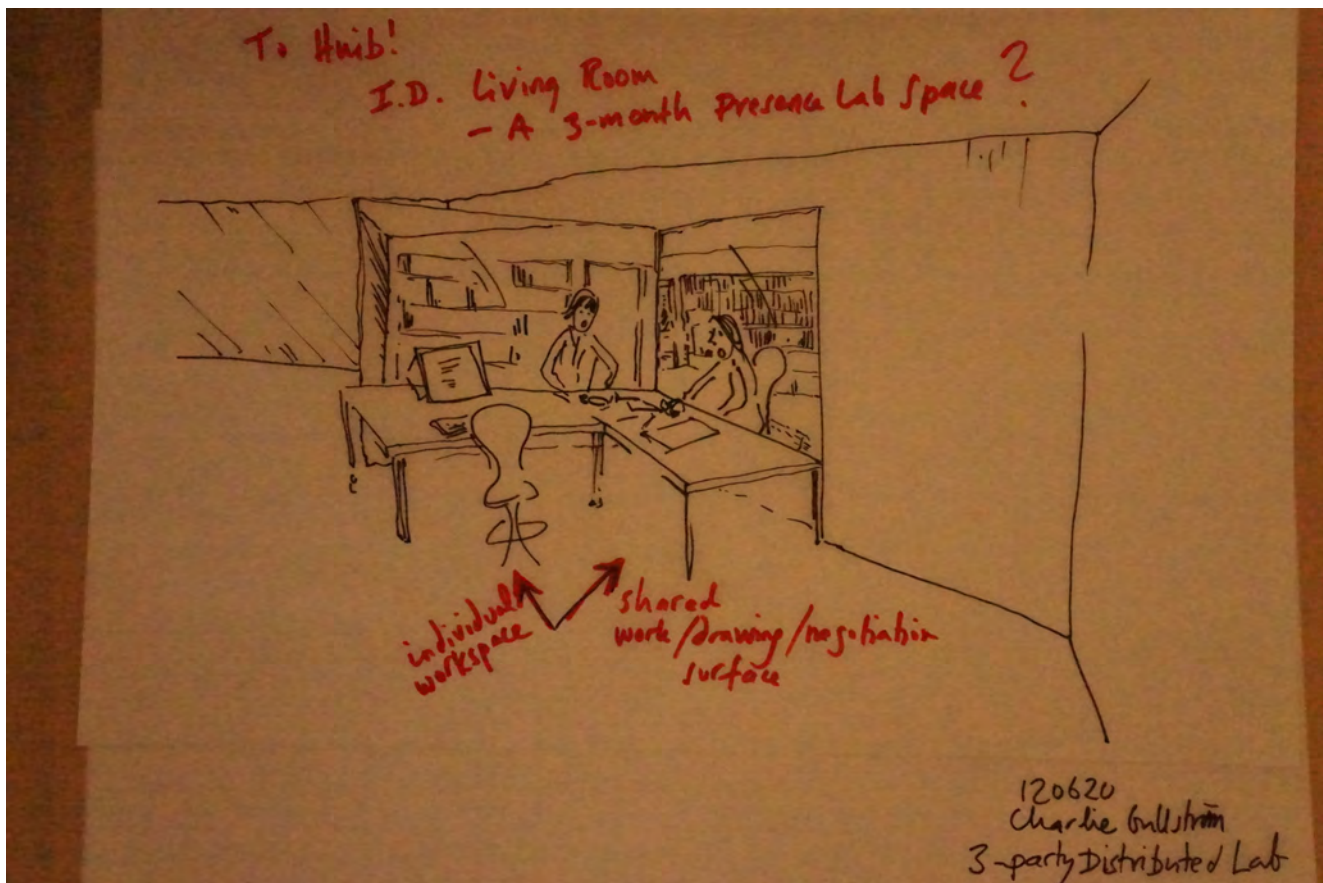
We learned that failure is a part of prototyping: our equipment was not synchronized between the two locations (Murphy! It all worked the other day!). We had not made our investments in time and the two locations were not set up in the same way. The shared drawing surface was later achieved as a picture in picture on the vertical screen. Some designers were annoyed... The group then decided to work on creating a continuous shared workspace after the summer.



*Harold Nefs' findings brought a new direction to our discussions: What technology can do to mediate presence: a YouTube Harvest
<http://www.pi-lab.nde-lab.nl/EIT.html>*



Extra work sessions on webRTC components...



Charlie left some sketches behind for a later meeting with Huib de Ridder, seeking to facilitate that three Presence Lab Spaces are set up, as a shared workspace between TU Delft ID, TU Delft II Pi-Lab, and KTH R1 EIT Presence Lab.



The KTH team says thank you and goodbye to Delft!

6 Other useful links and references

Virtual Medical round, south of Sweden(<http://www.youtube.com/watch?v=ITolsv8VjQo>)

The project Stefan Lukosch referred to:

<http://hci.usask.ca/research/view.php?id=31>

A more recent publication:

<http://hci.usask.ca/publications/view.php?id=245>

a paper Structure-preserving transformations in pattern-driven groupware development (Lukosch & Schümmer 2006)
Int. J. Computer Applications in Technology, Vol. 25, Nos. 2/3, 2006

Abstract: In this article, we address groupware patterns from a holistic perspective.

We discuss how a groupware application can gain wholeness from the application of structure-preserving transformations; two concepts that are important in the philosophy of Christopher Alexander. A concrete example shows how pattern sequences can support the development of a collaboration space for collaborative learning.

Keywords: patterns; structure-preserving transformations; pattern sequences; wholeness; groupware development; Oregon Software Development Process (OSDP)